

Title (en)
NOVEL 6-BROMOCHOLESTEROL DERIVATIVES

Publication
EP 0084439 A3 19830810 (EN)

Application
EP 83300172 A 19830113

Priority
US 33926582 A 19820115

Abstract (en)
[origin: EP0084439A2] Novel 6-bromo derivatives of cholesterol have the formulaSuch compounds are prepared from the known 6-iodocholesterol by treatment with cuprous bromide. These compounds, labelled with radioisotopes of Br-82 or Br-77, are localized in the adrenal, mammary and ovary tissue of female mammals and in the adrenal or prostate tissue of males when administered to such individuals. This provides a method for imaging adrenal, ovary or prostate tissue which is superior to use of the prior art 6-iodo-cholesterol.

IPC 1-7
C07J 9/00; **A61K 49/02**

IPC 8 full level
A61K 51/04 (2006.01); **C07J 9/00** (2006.01)

CPC (source: EP US)
A61K 51/0493 (2013.01 - EP US); **C07J 9/00** (2013.01 - EP US); **A61K 2123/00** (2013.01 - EP US)

Citation (search report)

- [Y] FR 2209584 A1 19740705 - SCHERING AG [DE], et al
- [X] INDIAN JOURNAL OF CHEMISTRY, vol. 10, November 1972, pages 1052-1056, New Delhi (IN); N.S. AHMAD et al.: "Hydrogenolysis of 6 beta-bromo-3,3- ethylenedioxycholest-5-ene 6,6- (1'-Methylethylenedioxy)-3alpha, 5-cyclo-5alpha-cholestane"
- [X] CHEMICAL ABSTRACTS, vol. 44, no. 18, 25th September 1950, page 8932, no. 8932e-h, Columbus Ohio (USA); V.P. GOGUADZE: "Steroid compounds". & INVEST. AKAD. NAUK S.S.S.R. OTDEL. KHIM. NAUK 1950, 185-8.
- [Y] CHEMICAL ABSTRACTS, vol. 93, no. 13, 29th September 1980, page 280, no. 128007v, Columbus Ohio (USA); L. BO-LI et al.: "Labeling of 6-idocholesterol with iodine-131". & HEH HAU HSUEH YU FANG SHE HUA HSUEH 1980, 2(2), 107-11
- [Y] CHEMICAL ABSTRACTS, vol. 95, no. 16, 19th October 1981, page 526, no. 140521g, Columbus Ohio (USA); L. BO-LI et al.: "Labeling of 6-iodocholesterol in melt". &RADIOISOTOPES 1981, 30(5), 275-7.

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Designated contracting state (EPC)
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